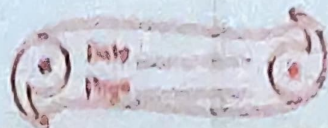


## Exercise 13(B)



1) Find

(a)  $35\%$  of  $700 = \frac{35}{100} \times 700 = 245$

(b)  $19\%$  of  $600 = \frac{19}{100} \times 600 = 114$

(c)  $21\%$  of  $₹1800 = \frac{21}{100} \times 1800 = ₹378$

(d)  $16\frac{2}{3}\%$  of  $3000 = \frac{50}{3} \times \frac{1}{100} \times 3000 = 500$

(e)  $16\frac{2}{3}\%$  of  $3000 = \frac{50}{3} \times 100 = 5000 \div 3 = 1666\frac{2}{3}$

(f)  $24\%$  of  $60\text{ l} = \frac{24}{100} \times 60000\text{ ml} = 14400\text{ ml}$

(g)  $45\%$  of  $900\text{ m} = \frac{45}{100} \times 900 = 405\text{ m}$

(h)  $80\%$  of  $1200 = \frac{80}{100} \times 1200 = 960$

(i)  $37\frac{1}{2}\%$  of  $140\text{ kg} = \frac{74}{2} \times \frac{1}{100} = \frac{74}{200} = \frac{37}{100} \times 140 = 51.8\text{ kg}$

$$\frac{74}{200} \times \frac{140}{1} = \frac{1036}{200} = \frac{518}{100}$$

$$200 \quad 1 \quad 270 \quad 5 \quad 100$$

(j)  $140\%$  of  $1500₹ = \frac{140}{100} \times 1500 = 2100₹$

2) Express

(a)  $15\text{ paise}$  as a percentage of  $₹1 = \frac{15}{100}\text{ p} = 15\%$

(b)  $6\text{ cm}$  as a percentage of  $1\text{ m} = \frac{6}{100}\text{ m} = 6\%$

(c)  $20\text{ cya}$  as a percentage of  $25 = \frac{20}{25} = \frac{80}{100} = 80\%$

(d)  $5\text{ cm}$  as a percentage of  $25\text{ m} = \frac{5}{200} = \frac{2.5}{100} = 2.5\%$

(e)  $12\text{ g}$  as a percentage of  $500\text{ g} = \frac{12}{500} = \frac{2.4}{100} = 2.4\%$

(f)  $10\text{ l}$  as a percentage of  $150 = \frac{100}{150} = \frac{66.66}{100} = 66.66\%$

(g)  $350\text{ m}$  as a percentage of  $3.5\text{ km} = \frac{350}{3500} = \frac{10}{100} = 10\%$

(h)  $250\text{ g}$  as a percentage of  $2\text{ kg} = \frac{250}{2000} = \frac{12.5}{100} = 12.5\%$

(i)  $75\text{ p}$  as a percentage of  $₹4 = \frac{75}{400} = \frac{18.75}{100} = 18.75\%$

(j)  $24\text{ cm}$  as a percentage of  $2.5\text{ m} = \frac{24}{250} = \frac{9.6}{100} = 9.6\%$